

ABSTRACT

Disclosed is a plug connection which is reliable and protected with regard to mechanical and thermal loads. The plug connector includes one or more contact elements (6) and a housing (2). The housing consists of a lower part (3) and an upper part (4) that can be joined to the lower part (3). The contact elements (6) are contained between the lower part (3) and the upper part (4), with the lower ends of the contact elements (6) projecting through openings (0) located in the housing (2), and the upper ends of the contact elements (6) are able to be contacted via openings (0) located in the upper part (4) of the housing (2). Each contact element (6) is formed from at least three limbs (61, 62, 63) which extend in a stepped manner inside the housing (2), with at least one of the limbs (62) flexibly arranged inside a cavity (11) formed between the upper part (4) and lower part (3).

List of reference numerals

- 1 Plug connector
- 2 Housing
- 3 Lower part of the housing
- 4 Upper part of the housing
- 5 Contact element, comprising a
 - 61 outer limb, in particular a limb forming one end of the contact element
 - 62 middle limb of the contact element
 - 62 outer limb, in particular a limb forming the other end of the contact element
- 7 Mounting link
- 8 Bore
- 9 Fixing element
- 10 Contact bag
- 11 Cavity
- 12 Distance retainer

- A Shoulder
- H Joining aid
- K Partial conical surface
- O Opening in the housing, in particular in the upper part and lower part
- α Aperture angle